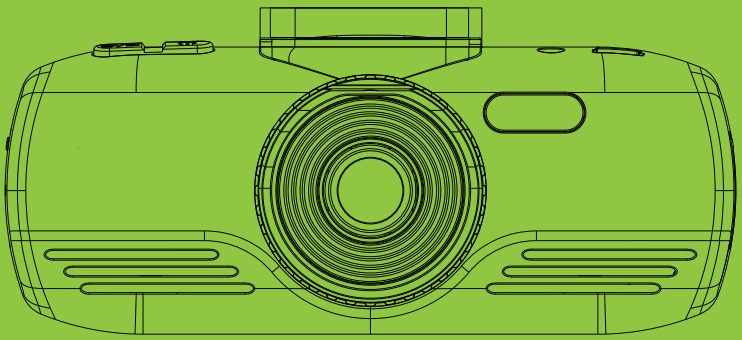
DOD™



LS430W

USER MANUAL

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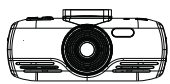
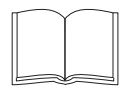
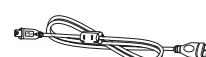
Safety Precautions

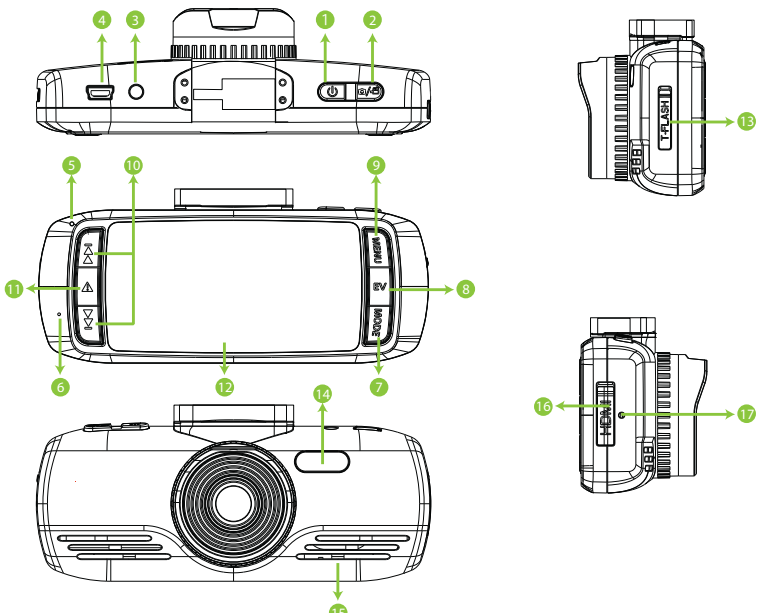
- **Do not disassemble, repair, or modify your camera or power related accessories**
  For warranty service, please contact DOD Tech Support.
- **Avoid exposing your camera to extended periods of humidity and/or heat**
  Prolonged exposure may reduce the camera's lifespan.
- **Do not spray water or cleaning agents directly onto the camera**
  Fluids may cause fire, electric shocks or malfunctions.
- **Do not adjust the camera while driving**
- **Avoid installing the camera where it may obstruct the driver's view or airbag deployment**
- **Use only the power adapter supplied with your unit.**
  Other power adapters may create a safety hazard or damage the unit.
- **Do not use damaged power adapters or cords.**
  If damaged, disconnect the power adapter and contact DOD Tech Support for assistance.

Package Contents

❶  DOD LS430W Dash Camera	❷  User manual	❸ Suction Mount
❹ DOD Player Installation CD	❺ Power Adapter	❻ Tape Mount
❼ HDMI Cable(optional)	❽  USB Data Cable (Optional)	

* Supplied accessories may vary by region.

Camera Controls



Camera Controls

1. **Power/ [⏻]**
   Turn on/off the unit
2. **Record/Shutter/OK/[📷/📹]**
   Video Mode: Start/Stop Recording
   Camera Mode: Takes a Photo
   Video Playback Mode: Play / Pause Video
   Settings Mode: Selects Highlighted Item
3. **A/V Video Out Port**
4. **USB Port**
5. **LED Notification Light**
6. **Microphone**
7. **Mutes Microphone[🎙]**
8. **EV (Exposure Values) Adjustment [EV]**
   Press to change the brightness/darkness of the recorded video
9. **Menu/[MENU]**
   Access the settings menu.
10. **Arrow Keys/[⏮ , [⏭**
    Used to navigate through menus and select videos for playback.
11. **SOS Emergency File Lock/[⚠]**
    Press while recording videos to lock the current file from being overwritten.
12. **2.7” LCD Display Screen**
13. **MicroSD Card Slot**
    Required a micro SD card, class 10 or above.
14. **LED Flashlight**
15. **Speaker**
16. **HDMI Output Slot**
17. **Reset Button**
    If camera freezes, use a small pin to press button.

Getting Started

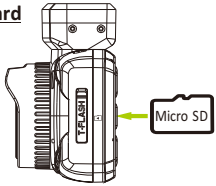
Watch the Video

Before you start, watch our installation video at http://dod-tech.ca/GetStarted

Setting Up Your Camera

Set up your camera inside your vehicle to ensure easy access to power.

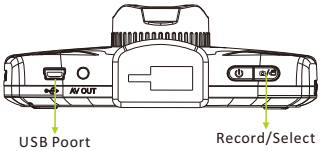
1. Insert the MicroSD Memory Card



** Note: Please purchase a microSD card for use with this unit*

2. Connect the Power Adapter

Plug the DOD power adapter into your vehicle's power outlet and insert the USB plug into the USB port.



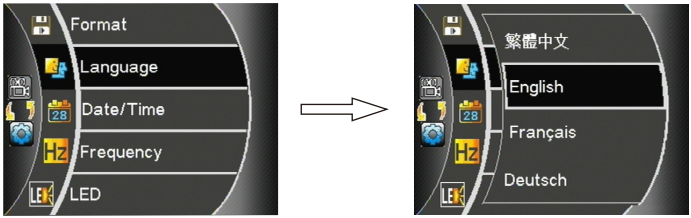
Getting Started

3. Turn On Your Vehicle.

In most vehicles this will send power to the outlet and automatically turn on your camera. In some vehicles the power outlet is continously powered even when the vehicle is off.

4. Select language

Upon powering up the camera for the first time, use the arrow keys located on the left side of the LCD Screen and select the language of your choice. Press the "record/select" button found on top of your unit to confirm your selection.



5. Turn off recording

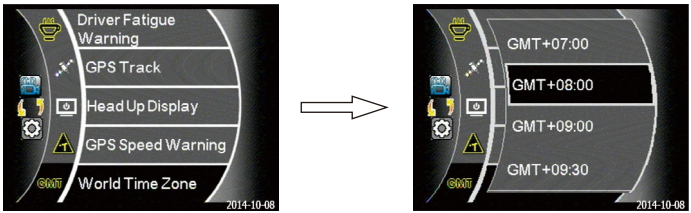
In order to access the menu to setup the time and date, you will need to turn off the recording. Press the "record/select" button. You should no longer see a flashing red dot on the screen.

6. Set the Time zone

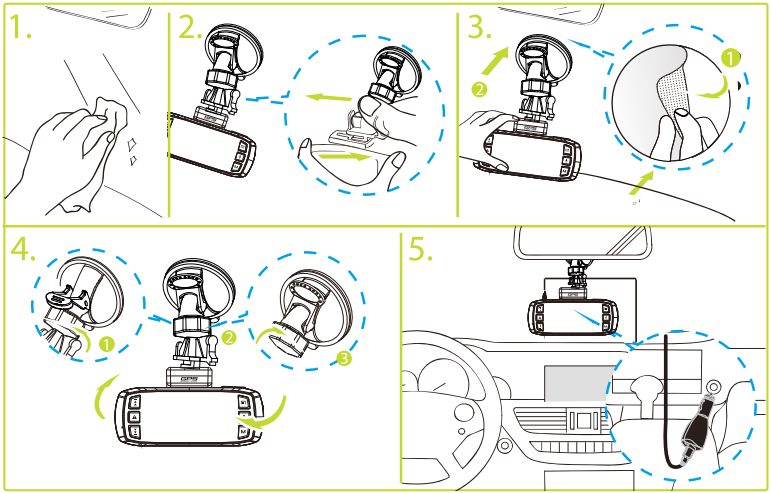
Your LS430W will automatically sync the time and date to the atomic clock once the time zone is correctly set.

Press the Menu button [ ]. Inside, scroll down and select “World Time Zone”. Find and select your respective time zone. Press the “record/select button” [ ].

Note: The timezone must be manually adjusted for daylight savings.



Installing Your Camera



1. Clean Windshield

Wipe down both the interior and exterior glass for the best image quality and to keep the mount secured to the windshield.

Installing Your Camera

2. Attach suction or tape mount to your camera.

Both mounts are secure. The suction mount is reusable. The tape mount is smaller and reduces vibrations, but is harder to remove.

3. Install the Mount

Find a location which does not obstruct your view when driving. DOD Tech recommends placing the camera behind the rear view mirror. Be sure to peel the protective cover from the mount before installing.

4. Adjust the Angle

The mount has an adjustable ball joint which can be loosened using the plastic locking nut. Angle your camera slightly below the horizon line to minimize glare.

5. Install the Cigarette Adapter

If you have not done so previously plug the cigarette adapter into your vehicle's power port. Insert the USB plug (opposite end of the powe adapter) into the USB port on the camera. The wiring can be hidden in the headliner and the various seams and rubber strips around the perimeter of the windshield.

6. Remove the Protective Lens Cover

Your camera is now installed and ready for daily use.

Tips:

- Do not turn on motion detection unless your vehicle is parked. If motion detection is enabled while driving, the camera may not continuously record.
- DOD recommendeds setting the G-Sensor to low.

Basic Camera Operation

Everyday Operation

Your dash camera will automatically turn on and start recording when it starts receiving power. The camera will record over the oldest videos when the memory card is full (looped recording) by default.

Continuously Powered Electrical Outlet

If your electrical outlet is always powered, the adapter must be manually removed to shut down the camera. Alternatively, the camera may be left on while parked to capture video while you are away.

This operation will slowly drain your vehicle's battery and may eventually prevent your vehicle from starting.

Manually Turning On / Off Your Camera

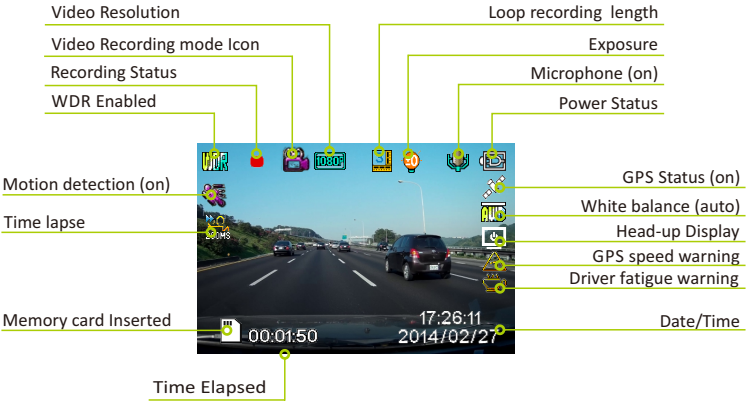
Press the power button [⏻] to turn on/off your camera. Press the record/select [⧉/🖴] button to begin recording

Camera Modes

When the camera is not recording video, you can switch between three modes by pressing the mode button [**M**]:
1. Video Recording 2. Photo 3. Video Playback.

Video Recording Mode

The camera defaults to video recording when the camera is first turned on.



Camera Modes

LED Light Notification

- Steady Blue – Powered off and charging
- Steady Pink – Powering up while charging or is in playback mode
- Steady Red – In Standby Mode
- Flashing Red – Recording video, not charging
- Flashing Blue and Pink – Recording video and charging

Video Recording Shortcuts

Muting the Microphone

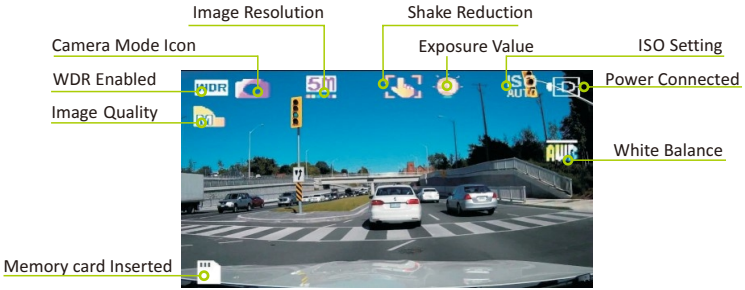
Press the microphone button [🎙]

SOS/Emergency Lock

Pressing the SOS lock while a video is playing will lock the camera from overwriting the video.

Photo Mode

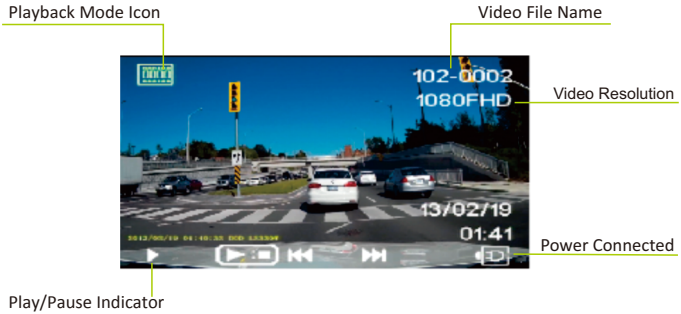
In Photo Mode press the record/select [📷] button to take a photo



Camera Modes

Playback Mode

In playback mode you can watch previously recorded videos.



- **Selecting a Video**
  Use the arrow keys[⏮ ⏭]to navigate between videos.

- **How to Watch a Video**
  Press the record/select button [⏺/📷]to play and pause. To change videos or access the menu while paused press the mode button [M] before using the arrow keys [⏮ ⏭].

Camera Settings

Each mode has a unique set of settings. See the description below.

Video Recording Settings

There are two settings pages. Access the second page by pressing the menu button [ ] twice. If you move the cursor before pressing the menu button, you must exit and try again.

First Video Settings Page

Date Stamp
Imprints the time and date on the recorded video.

Driver Fatigue Warning
Sets a timed delay before showing a visible alert reminding the driver to take a break.

Exposure
Sets the brightness/darkness of the video. Video too bright? Set between -1 to -3. Video Too Dark? +1 to +3 *Recommended Setting: 0*

GPS Speed Warning
Shows a visual warning on the Heads Up Display when the set speed has been exceeded.

GPS Track
Turns on/off GPS tracking. If disabled your camera will no longer measure your speed and position nor synchronize the time/date with the atomic clock.

Password Settings
Set a password lock which will prevent files from being deleted or the settings changed on the device. Note: This does not prevent other users from extracting the memory card or changing the files

Plate Stamp
Imprints a customized set of 6 digits to the recorded video. Add license plates or other identifying features.

Record Audio
Switches the microphone on or off. This can also be changed during recording by pressing the microphone button [ ].

Resolution
Changes the video resolution. Lower theresolution for smaller file sizes but this reduces video quality. *Recommended setting:1080P FHD*

Camera Settings

G-Sensor
The G-Sensor measures shock forces. The settings from “low to high” determine the amount of force needed to lock the current file from being overwritten.
Recommended Setting: Low

Image Rotation
Rotates the recorded image 180°. Used if the camera is mounted on the dashboard.

Loop Recording
If loop recording is set to 2/3/5 minutes, video recordings of that length will be created. When the memory card is filled the oldest files will be overwritten (excluding locked clips). Turning off loop recording will prevent the camera from writing new files when the memory card is filled.

Motion Detection
For use when parked, not when driving.
Saves memory space by only recording when motion is detected. Motion detection must be manually disabled before driving.
If motion detection is activated while driving you may have significant gaps in the recorded video.

Speed Units
Select Metric or Imperial units.

Standby Speed Display
After a customized period of time, a new screen will appear showing speed and direction. If enabled, the GPS speed warning will appear on this screen.

WDR (Wide Dynamic Range)
Cannot be changed. Shows WDR processing is enabled.

White Balance
Sets the white balance.
Recommended Setting: Auto

World Time Zone
Sets the current time zone for GPS time and date calibration. Note the time zone must be manually adjusted for daylight savings.

Camera Settings

Second Video Settings Page

Accessed by pressing the menu button twice.

Beep Sound
Turns on and off notification sounds.

Date/Time
If GPS tracking is disabled the date and time can be manually set.

Default Settings
Sets all settings back to the original settings.

Frequency
Adjusts the camera's frequency setting to minimize flickering and banding in the recorded video. *Recommended Setting: 60HZ in Canada/USA.*

Format
Completely deletes all files including locked videos on on the memory card and optimizes the card for recording. 64GB cards should use DOD's formatting program for proper functionality. See the support section online.

Language
Sets the language.

LED
Turns on the LED light. Used as a spare flashlight, not for use while driving due to glare.

Screen Saver
Turns off the LCD screen after the set time.

Speed Stamp
Imprints your current speed onto the recorded video.

TV Mode
Switches between the NTSC and PAL video output standard.

Version
Shows the model name and current firmware version.

Camera Settings

Photo Settings

Accessed in “Photo Mode”

Anti-Shaking
Helps reduce the effects of shaking when taking a photo.

Capture Mode
Sets a timed delay before taking a photo.

Color
Apply a color filter to the photo.

Date Stamp
Imprints the date onto the captured photo.

Exposure
Adjusts the exposure in one-stop increments.

Image Size
Adjusts the size of the image. Higher megapixels increses file size and details

ISO
Changes the ISO settings. Higher ISO reduces motion blur at night but lowers video quality.

Quality
Changes the photo quality.

Sharpness
Change the amount of sharpening.

WDR
Shows that WDR is enabled.

Camera Settings

Video Playback Settings

Accessed in “Playback Mode”.

The settings apply only to the video being viewed and not all videos unless the “All” suffix is chosen.

Delete Deletes the file from the card. This cannot be undone.	**Lock** Locks the current file from being overwritten or erased. Note: The “format” setting will erase all files including locked files.
Slideshow Shows a two second still image of all photos and the first frame of each photo.	

Protecting or Deleting Your Videos

To delete or to protect files from being overwritten, press the menu button [ ] on the desired video. Select the command using the arrow buttons [▶▶| |◀◀] and press the select/record button [ ] to confirm. Press the menu button [ ] to exit.

If protected, a blue padlock icon will appear at the top of the screen.

Slideshow

Press the menu button [ ] and navigate to slideshow. Photos and the first frame of each video will be shown in order.

Transferring Files

Video files can be transferred to your electronic device for viewing and storage.

USB Mini Cable

1. Connect a USB-Mini cable from the camera's usb port to your computer.
2. Turn on your camera. A black screen should appear showing “Mass Storage”.
3. Press the “record/select” button [ ]. A blue screen should appear labelled “Mass Storage”.
4. Your computer should now detect a new device. The memory card and videos can be accessed similar to a USB Flash Drive.

Card Reader / MicroSD Slot

Use a memory card reader (separately purchased) or a compatible electronic device with a MicroSD slot (ex. tablet). Follow the manufacturer's instructions.

Video Output

HDMI (TV)

Connecting a mini-HDMI to HDMI from your camera to a compatible television/monitor will automatically output the cameras screen. Recording functions are disabled while streaming video.

AV Port

Using a 3.5mm AV cable, plug the 3.5mm connector into the camera's AV Port. Plug the RCA end into a compatible port on your television or monitor.

DOD Video Player

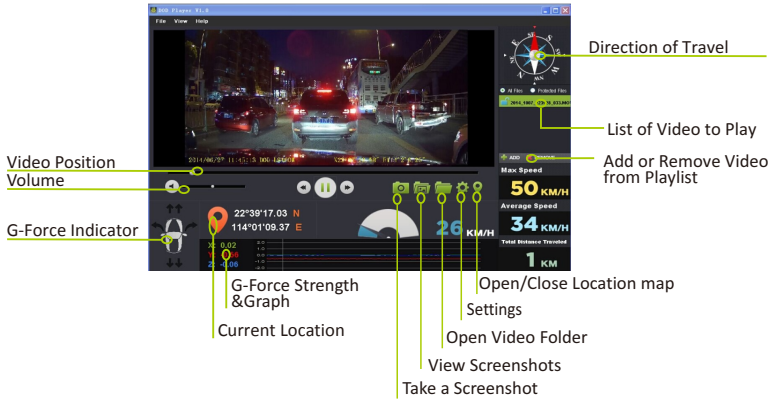
The DOD Video Player is a user-friendly program used to playback recorded videos and to visualize your position and speed on your PC or Mac. Please see the “Transferring Files” section to find out how to view or transfer your video files.

Installing the DOD Video Player

Insert and launch the installer from the included CD or download the software from the support section on DOD Tech's website.

Launching the DOD Video Player

Once launched, the player will appear on your screen.



DOD Video Player

To Play a Video

Add your file to the list of videos. To do this, there are two options:

- Click File, click Open and navigate to the location of your files
- Press the Add button [ ] located below the list of videos

Double click on the video you wish to play. The video will then load into the player.

Video Player Features

- Once the video is playing, your position, speed and G-Forces will be indicated on the map
- Pressing the “Location Map” Button will show your position on Google Maps

Firmware Update

See the support section on DOD-Tech's website for any available firmware updates and instructions

DOD™